

Serial No. 10/585,728
Reply to Office Action dated November 9, 2010

Docket No. 1006/0168PUS1

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously presented) A method for adjusting an air vent for air-conditioning a motor vehicle, the air vent having assigned to it an actuator for controlling a fan device and/or an actuator for controlling air jet divergence and/or an actuator for the air direction control means and/or a heating device, and at least one sensor being provided for recording measured values, wherein the settings of the air vent are adjusted as a function of measured values of the sensor, and wherein the actuator for controlling air jet divergence maintains a spot jet outflow from the air vent while a first measured value of the sensor is within a first range and maintains a diffuse outflow from the air vent while the first measured value is within a second range.

Claim 2 (Cancelled).

3. (Previously presented) The method as claimed in claim 1 wherein the automatic adjustment changes the directional setting of the air vent.

4. (Previously presented) The method as claimed in claim 1, wherein the automatic adjustment changes the volume of air which enters the vehicle cabin through the air vent.

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5. (Previously presented) The method as claimed in claim 1, wherein the automatic adjustment changes the speed at which the air enters the vehicle cabin through the air vent.

6. (Previously presented) The method as claimed in claim 1, wherein the automatic adjustment changes the mixing ratio of hot and cold air which enters the vehicle cabin through the air vent.

7. (Previously presented) The method as claimed in claim 1, wherein the automatic adjustment changes the temperature of the air which enters the vehicle cabin through the air vent.

8. (Previously presented) The method as claimed in claim 1, wherein the automatic adjustment changes the humidity of the air which enters the vehicle cabin through the air vent.

9. (Previously presented) The method as claimed in claim 1, wherein the automatic adjustment changes a fragrance and/or the concentration thereof added to the air which enters the vehicle cabin through the air vent.

10. (Previously presented) The method as claimed in claim 1, wherein the sensor detects the surface temperature of at least one body part of an occupant.

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11. (Previously presented) The method as claimed in claim 1, wherein the sensor detects seat occupancy and/or seat position and/or the posture and/or size of the occupant.

12. (Previously presented) The method as claimed in claim 1, wherein the sensor detects solar radiation.

13. (Previously presented) A method for adjusting an air vent for air-conditioning a motor vehicle; the air vent having assigned to it an actuator for controlling a fan device and/or an actuator for controlling air jet divergence and/or an actuator for the air direction control means and/or a heating device, and at least one sensor being provided for recording measured values, wherein the settings of the air vent are adjusted as a function of measured values of the sensor,

wherein the sensor detects the status of one or more windows and/or of a sunroof and/or of a soft top, and

wherein the air vent is adjusted based on the status detected by the sensor.

14. (Previously presented) The method as claimed in claim 1, wherein the sensor detects humidity.

15. (Previously presented) The method as claimed in claim 1, wherein the sensor detects zone-related measured values.

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Claim 16 (Cancelled).

17. (Previously presented) An air-conditioning or heating system having at least one air-conditioning controller and one or more air vents, the air vent having assigned to it a heating device and/or an air volume control means and/or an actuator for the air volume control means and/or a fan device and/or an actuator for controlling a fan device and/or an actuator for the air direction control means and/or an actuator for controlling air jet divergence, and at least one sensor being provided for recording measured values, the controller being configured to automatically adjust the air vent(s) as a function of measured values and setting values, and wherein the function is adaptive.

Claim 18. (Cancelled).

19. (Previously presented) The method as claimed in claim 1, including detecting an alertness of an occupant and controlling a spot jet outflow from the air vent in response to a detection of diminished alertness.

20. (Previously presented) A method for adjusting an air vent for air-conditioning a motor vehicle, comprising:

providing an actuator for controlling air jet divergence from the air vent between a spot jet divergence and a diffuse divergence;

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measuring at least one value related to at least one condition inside the motor vehicle with a sensor; and

controlling the actuator to maintain a spot jet divergence while the value is within a first range and controlling the actuator to maintain a diffuse divergence while the value is within a second range.

21. (Previously presented) The method of claim 20, wherein the at least one value comprises a status of a window.

22. (Previously presented) The method of claim 20, wherein the at least one value comprises a status of a sunroof.

23. (Previously presented) The method of claim 20, wherein the at least one value comprises a temperature inside the motor vehicle.

24. (Previously presented) The method of claim 20 including detecting a manual adjustment to the air jet divergence and determining optimum setting parameters for the air vent in view of the detected manual adjustment.